

AMENDMENTS TO THE DRAWINGS

Please amend Fig. 18 by changing "24" to --124--.

Attachment:

Replacement Sheet

Annotated Sheet showing changes



6715/64322

REMARKS

Claims 1 and 2 remain in the application with claim 1 having been amended hereby.

Reconsideration is respectfully requested of the objection to the disclosure as containing informalities.

The editorial errors noted by the Examiner have been corrected in the changes made to the specification hereby.

Additionally, other corrections not noted have also been made.

Reconsideration is respectfully requested of the objection to the drawings as failing to comply with 37 CFR 1.84 (p) (5).

In regard to Fig. 23, as described at page 41, the specification has been changed to refer to the arrow J as shown in Figs. 23 and 24.

In regard to Fig. 18, the reference numeral 24 has been changed to 124 to agree with the specification and because reference character 24 was already used for the motor in Fig. 2.

Reconsideration is respectfully requested of the rejection of claims 1 and 2 under 35 USC 112, second paragraph, as being indefinite.

The Examiner noted that the transfer mechanism originally recited was recited inferentially and not positively identified with the other elements of the claims.

Claim 1 has been amended hereby to positively recite the

transfer mechanism as its functions relate to the other elements of the claim and to include the structure of the transfer mechanism.

Accordingly, it is respectfully submitted that the claims are clear and definite in their recitation of the present invention and meet all requirements of 35 USC 112.

Reconsideration is respectfully requested of the rejection of claims 1 and 2 under 35 USC 102(e), as being anticipated by Satou et al.

As explained in the present specification, the present invention is intended to provide an improvement in an electronics packaging system in which both sides of the printed wiring board can be operated upon simultaneously, so that the requirement to turn the board over is eliminated. This is accomplished in the present invention by passing the board through the various work stations in an upright fashion, as shown for example in Fig. 2. In this way, both sides of the board can have the solder printed on them at the same time, the electronic parts can be placed on the solder lands at the same time, and the reflow unit can heat both sides of the board at the same time, so that the packaging process is substantially speeded up. This is accomplished by utilizing a transfer mechanism that includes guide rails 16 and 17 that capture the upper and lower edges of the printed wiring board 2 and in which the guide rails are attached to the support member 21 and are passed there through the various work stations. This structure of the transfer mechanism is shown in Fig. 4A, for example.

Satou et al. also relates to a system for producing printed circuit boards and shows the various workstations involving printing the solder onto the lands, mounting the electronic components, and soldering the components using a reflow unit.

Nevertheless, it is respectfully submitted that Satou et al. is completely silent concerning the arrangement of the transfer mechanism in holding the printed wiring board substantially upright using guide rails and support members and the like, as taught by the present invention and as recited in the amended claims.

Therefore, it is respectfully submitted that Satou et al. fails to anticipate the present invention as now set forth.

Claim 2 depends from claim 1 which for the reasons set forth hereinabove is thought to be patentably distinct and, for at least those very same reasons, claim 2 is also submitted to be patentably distinct thereover.

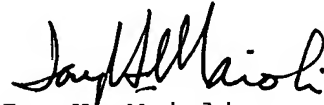
Accordingly, by reason of the amendments made to the claims hereby, as well as the amendments to the specification and the drawings, it is respectfully submitted that an electronic packaging system, as taught by the present invention and as recited as in the amended claims, is neither nor suggested in the cited reference.

The references cited as of interest have been reviewed and are not seen to show or suggest the present invention as recited in the amended claims.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

COOPER & DUNHAM LLP

A handwritten signature in black ink, appearing to read "Jay H. Maioli". The signature is fluid and cursive, with the first name "Jay" and last name "Maioli" being clearly legible.

Jay H. Maioli
Reg. No. 27, 213

JHM:tb

11/27

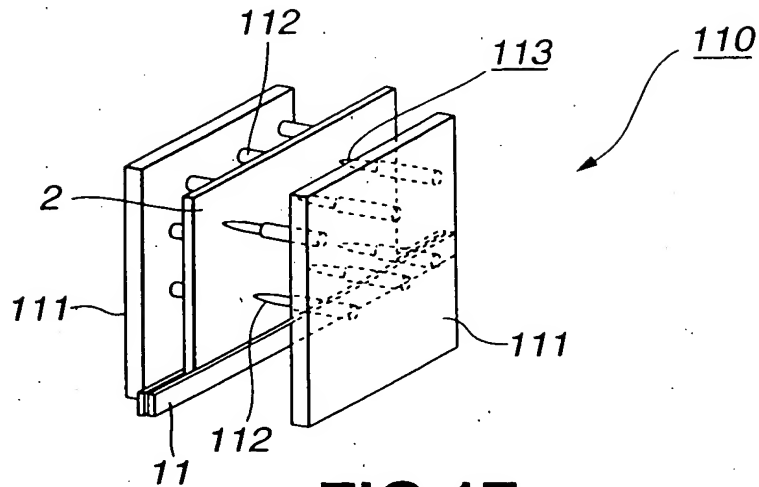


FIG. 17

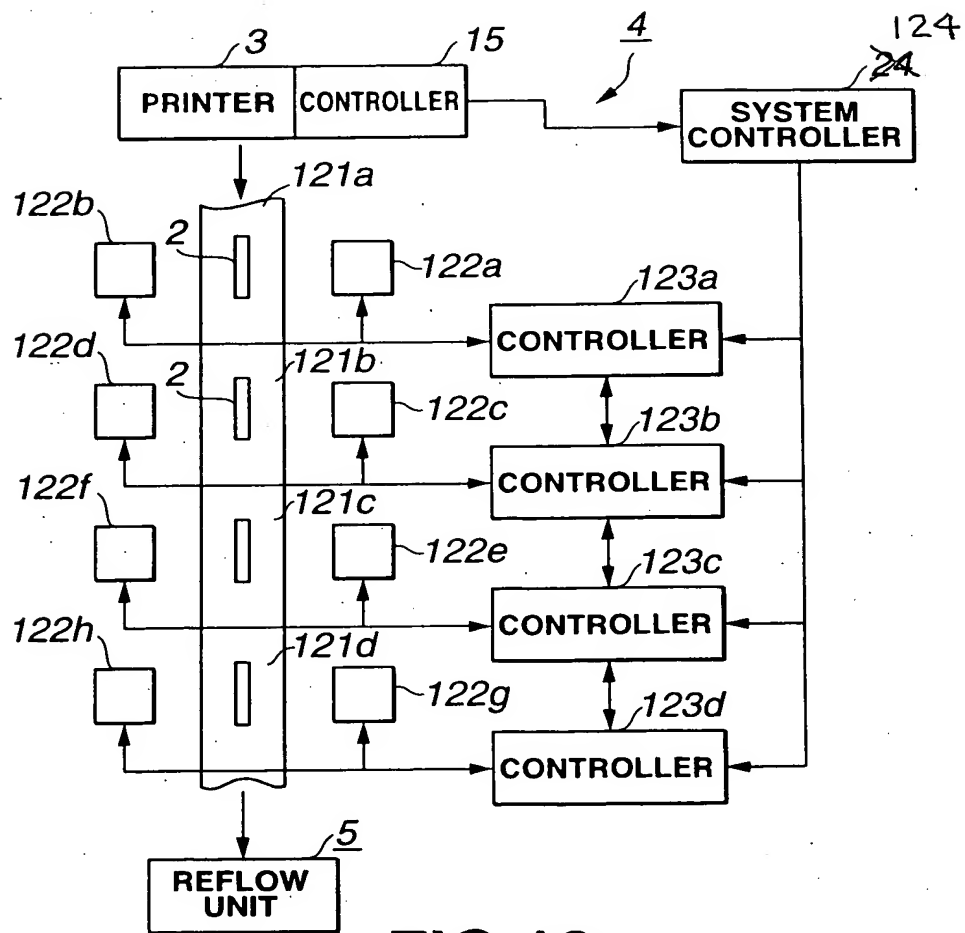


FIG. 18